

INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI 2004/050176

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: H01L 23/60 // H05F 3/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: H01L, H05F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4796084 A (KEIJO KAMASAKI ET AL), 3 January 1989 (03.01.1989), column 5, line 27 - line 46 --	1-15
X	US 20010033478 A1 (JESUS AL ORTIZ ET AL), 25 October 2001 (25.10.2001), figures 2-4, abstract --	1,2,4,8,9, 11,15
X	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 24, 11 May 2001 (2001-05-11) & JP 2001196638 A (TOYODA GOSEI CO LTD), 19 July 2001 (2001-07-19) abstract -- -----	1,3,8,10

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

14 March 2005

Date of mailing of the international search report

16-03-2005

Name and mailing address of the ISA/

Swedish Patent Office

Box 5055, S-102 42 STOCKHOLM

Facsimile No. +46 8 666 02 86

Authorized officer

Tomas Erlandsson/MN

Telephone No. +46 8 782 25 00

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/FI 2004/050176

US	4796084	A	03/01/1989	DE	3687921	A,T	15/04/1993
				EP	0202109	A,B	20/11/1986
				JP	1940495	C	09/06/1995
				JP	6069040	B	31/08/1994
				JP	61258451	A	15/11/1986
				JP	62009142	U	20/01/1987
<hr/>							
US	20010033478	A1	25/10/2001	AU	4787901	A	07/11/2001
				CN	1442033	T	10/09/2003
				WO	0182672	A	01/11/2001
				AU	5903401	A	30/10/2001
				CN	1436382	T	13/08/2003
				EP	1290761	A	12/03/2003
				US	6643918	B	11/11/2003
				US	20010040043	A	15/11/2001
				US	20040187311	A	30/09/2004
				WO	0180374	A	25/10/2001
